



June 4, 2013

The Sampler is a monthly e-newsletter produced by the Volunteer Lake Assessment Program.

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Web Highlights

This month's featured lake website is [Flints Pond Improvement Association](#), Hollis, NH

EPA [Guide](#) and [Module](#) for Developing Effective Watershed Management Plans

Upcoming Events

EPA Summer Webcast Series to raise awareness of Harmful Algal Blooms and Nutrient Pollution

"An Overview of Harmful Algal Blooms and their Impacts on Freshwater and Marine Ecosystems"
Tuesday, June 25, 2013
[Register](#)

Aquatic Invasives and Weed Watch Workshop

Saturday, June 26, 2013
9:00 a.m. to 10:30 a.m.
Lake Sunapee Protective Association
63 Main St.
Sunapee, NH

Grants

2013 Volunteer Limnologist and Secchi Disk Awards

Since 2004, VLAP has recognized at least one volunteer for his or her dedication and commitment for volunteer lake monitoring. This award has been appropriately named the Volunteer Limnologist Award because each time a volunteer monitor collects a water sample from a lake or pond or conducts a Weed Watcher survey, the volunteer is performing the role of a true limnologist. In addition, the Secchi Disk Award is given to the overall volunteer or lake association which truly stands out on the "cutting edge" of volunteer monitoring. The recipients of the 2013 Volunteer Limnologist Award were:

Jean Martin, Crystal Lake, Gilmanton

Jean has monitored the water quality at Crystal Lake in Gilmanton for over 25 years, and also coordinates Weed Watcher activities. Since then, Jean has conducted monthly water quality monitoring of the lake and its tributaries, and has conducted advanced stream bracketing and storm event sampling to identify nutrient sources. Jean has interpreted water quality data and reported the data to the lake association, watershed residents and local government annually through education and outreach activities. Jean has dedicated her time at the lake to educate the community about the lake's quality and how to maintain and support a healthy, diverse population of wildlife. Jean is currently working with the Town Road Agent about implementing best management practices to reduce sediment and salt loading to the lake.

Beth Flagler, Flints Pond, Hollis

With Beth's leadership as the Flints Pond Improvement Association President, there has been a renewed interest in managing and protecting Flints Pond. Part of that involved re-joining VLAP in 2011 to once again monitor Flints Pond water quality after a hiatus from 2002-2010. Since then, Beth has gathered volunteers to help conduct monthly water quality monitoring of the pond and perform vigorous Weed Watching activities. Beth has been instrumental in the planning and management of Variable milfoil control activities as well as hydro-raking to restore a flow regime to the pond. Beth has applied for grants and has been involved in planning local events to raise awareness of Flints Pond. Check out this month's featured website to see Flints Pond Improvement Association in action.

Lake Massasecum Improvement Association, Bradford

The LMIA has conducted monthly water quality monitoring of the lake and tributaries since 1986, and has conducted stream bracket sampling to identify potential pollution sources. Lake residents are involved in Weed Watchers and Lake Hosts to help identify and deter the potential spread of exotic aquatic plants. The LMIA has

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Limno Lingo

Iron Bacteria: Iron bacteria are long, thread-like bacteria that feed on iron. They meet their energy requirements by converting ferrous iron into ferric iron which precipitates out of the water as a rust-colored deposit or reddish brown slime. Decomposing iron bacteria also give an oily sheen to the water. We often see these deposits and sheens along the shore, in stream beds or ditches. Do not be concerned, the bacteria, their deposits and secretions are not harmful.

actively managed Variable milfoil for 15 years and those management activities include: installation and maintenance of fragment barrier and benthic barriers, mechanical harvesting and dive support for harvesting, and herbicide treatment. Current efforts include pursuing technical assistance from DES and the Army Corps of Engineers to assess the floodplain and hydrology of the Warner River and its impacts on the lake during high water. These efforts will protect the lake shoreline and properties from damage and ultimately protect water quality.

Congratulations volunteers, your efforts to protect and preserve New Hampshire's natural resources are greatly appreciated!

If you would like to nominate a fellow volunteer or lake association to receive a Volunteer Limnologist or Secchi Disk Award, please send your nomination to Sara Steiner, VLAP Coordinator, at sara.steiner@des.nh.gov or 29 Hazen Drive, Concord, NH 03302-0095.

Governor Hassan Declares July 2013 Lakes Appreciation Month!

On June 4, 2013, New Hampshire declared July 2013 Lakes Appreciation Month. To read more and view the proclamation visit <http://www.nalms.org/home/programs/lakes-appreciation-month/lakes-appreciation-month-2013/>

Since 2004, DES has recognized at least one volunteer for his or her dedication and commitment for volunteer lake monitoring. This award has been appropriately named the Volunteer Limnologist Award because each time a volunteer monitor collects a water sample from a lake or pond or conducts a Weed Watcher survey, the volunteer is performing the role of a true limnologist. In addition, the Secchi Disk Award is given to the overall Volunteer Limnologist award winner of the year. That volunteer which truly stands out on the "cutting edge" of volunteer monitoring.

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